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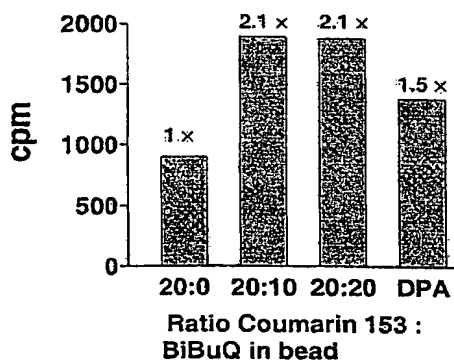
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- (71) Applicant (for all designated States except US): **PERKINELMER LAS, INC.** [US/US]; 549 Albany Street, Boston, MA 02118 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **BEAUDET, Lucille** [CA/CA]; 115 Sabrevois, Boucherville, Quebec J4B 2H9 (CA). **BOISSONNEAULT, Martin** [CA/CA]; 800 de la Mennais, LaPrairie, Quebec J5R 2R1 (CA). **ROBY, Philippe** [CA/CA]; 66 Coolbreeze app.#8, Pointe-Claire, Quebec H9R 3S5 (CA).
- (74) Agents: **CITKOWSKI, Ronald, W.** et al.; Gifford, Krass, Groh, Sprinkle, Anderson & Citkowski, P.C., 280 N. Old Woodward Ave., Ste. 400, Birmingham, MI 48009 (US).
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(54) Title: SCINTILLATOR COMPOSITION FOR A RADIOASSAY, AND METHOD FOR ITS USE

Effect of BiBuQ on the scintillation of beads
dyed with Coumarin 153



(57) Abstract: A medium for a scintillation assay includes a fluorescent Coumarin dye, typically having a Stokes shift of at least 50 nm and a fluorescence in the range of 460-500 nm. The composition may further include secondary scintillator materials which as PPO, DPA, bis-MSB, BiBuQ, and the like. The scintillator medium may be a liquid medium or a solid medium. Also disclosed is an assay utilizing the material of the present invention, as well as a specifically solid state scintillator medium incorporating Coumarin 153 and BiBuQ.



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